

CHRISTOPHER ZOU

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Education & Coursework

University of California, Berkeley

degrees expected Fall 2022

B.A. Computer Science and B.A. Molecular and Cell Biology: Biochemistry, GPA: 3.677, Accel Scholar

EE/CS Coursework: Computer Security, Graphics & Imaging, Machine Learning, Efficient Algorithms & Intractable Problems, Microelectronic Devices, Machine Structures, Discrete Math & Probability Theory, Data Structures, Structure of Computer Programs, Multivariable Calculus, Designing Information Systems I and II, Web Design

Biochemistry Coursework: General Genetics*, Cancer*, Macromolecular Synthesis & Cell Function, Biochemistry Lab, Pathways & Regulation, Biophysical Chemistry, Organic Chemistry I and II; *=planned

Experience

Tech Skills: JavaScript (React, TypeScript), Python (Flask, numpy, pandas), Java (Spring), C, C++, MongoDB, SQL, Infra (terraform, AWS); **Lab Skills:** Western Blotting, Protein Purification, Cloning

Kleiner Perkins, Fellow

Nuna, Incoming Software Engineering Intern

starting 6/2022

LinkedIn, Software Engineering Intern

9/2021 – 12/2021

- Built activity monitoring and cancellation for ML data pipelines and clusters (Java, Gradle, Azure Data Factory). Features significantly increase on-call response speed and prevent wasted compute.
- Authored research report on tradeoffs between LinkedIn Grid, Synapse, and Azure Data Factory following conversations with internal customers across LinkedIn engineering functions.

Datavant, Software Engineering Intern

6/2021-8/2021

- Designed and built data distribution features (endpoints to frontend) that allow delivery preview, metadata export, and search of deidentified patient segments (TypeScript, React, Kubernetes, Flask, Terraform, AWS).
- Developed mortality data certification letters with stakeholders across Datavant's engineering and legal teams.

Inspirit AI, Instructor

6/2021-7/2021, 12/2021

- Taught daily sessions to high schoolers on the basics of machine learning, NLP, neural nets, and computer vision.

OpenChemistry, Software Developer w/ Google Summer of Code

6/2020–8/2020

- Proposed, received funding for, and built a Python-MongoDB database cartridge that makes it easy to work with heterogeneous chemical data. Package is in use at Syngenta and [published on open-source](#).
- Improved search speed on 1M-doc datasets 80x by implementing locality-sensitive hashing and aggregation pipelines.
- Developed features and made engineering tradeoff decisions based on some 20 user interviews.

UC Berkeley EECS, Data Structures Tutor

6/2020–8/2020

- Taught 6 sections weekly on data structures, algorithms, object-oriented programming, and software design in Java.

Choco, Venture Development Intern

6/2019–8/2019

- Closed 42 key deals in the Chicago area by building a network of chefs & suppliers. 3rd/30 sales globally that summer.

Projects

Health Engine, Founder and Managing Director

since 1/2021

- Health Engine is a nondilutive, pre-seed startup accelerator. We've incubated 12 startups across two cohorts.
- Our startups work on problems ranging from individualized health insurance to genetic profiling. Our alumni have raised >\$7M in funding from firms like Draper Associates, Plug and Play, and more.
- Recruited team of 12, pitched idea, raised \$85K, developed program curriculum and events, assembled board of directors, incorporated, built website, built partnerships with NVIDIA, Roivant, SOMPO Digital Lab, and Berkeley's SCET.

Phoenix Consulting Group, VP Projects, VP Accelerator, Project Manager, other roles

since 1/2019

- Completed healthcare strategy projects, with scopes varying from quality control to human capital to product development, for the Red Cross, Medtronic, Neurofit, and Myriad Genetics.
- Built Phoenix's new member education program, its website, and its internal directory services.

Neurotech@Berkeley, Vice President of Consulting

9/2018-1/2020

- Founded and led first project for industry projects division that builds software for neurotech companies. Grew semesterly revenue to \$13,000. Founded and edited *MIND*, Neurotech@Berkeley's interdisciplinary journal.